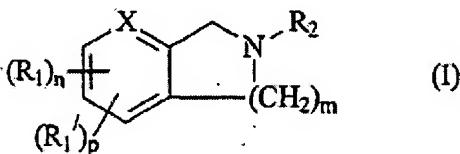


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (original) Use of a compound of the formula (I), or a pharmaceutically acceptable salt thereof in the manufacture of a medicament for use in the treatment or prevention of a condition involving sodium ion flux through a sensory neurone specific channel of a sensory neurone



wherein:

- X is -N- or -CH-;
- n is from 0 to 3;
- each R₁ is the same or different and is a hydroxy, amino, halogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ alkoxy, C₂-C₆ alkenyloxy, C₂-C₆ alkynyoxy, C₁-C₆ haloalkoxy, C₁-C₆ alkylthio, C₁-C₆ haloalkylthio, (C₁C₆ alkyl) amino or di (C₁-C₆ alkyl) amino group;
- p is 0 or 1;
- R₁¹ is cyano, -NR₁-CO-(C₁-C₄ alkyl), -NR₁-S(O)₂-(C₁-C₄ alkyl), -CO₂H, -S(O)₂OH, -CO₂-(C₁-C₄ alkyl), -O-S(O)₂-(C₁-C₄ alkyl) or -N[S(O)₂-(C₁-C₄ alkyl)]₂, wherein R₁ is hydrogen or a C₁-C₄ alkyl group;
- m is 1, 2 or 3; and
- R₂ is either

- (a) -L-A, wherein L is a direct bond or a C₁-C₆ alkyl, C₂-C₆ alkenyl or C₂-C₆ alkynyl moiety and A is C₆-C₁₀ aryl, C₃-C₆ carbocyclyl, a 5- to 10-membered heteroaryl group or a 5- to 10- membered heterocyclic group,
- (b) -L-CR(A)₂ or -L-CH=C(A)₂ wherein R is hydrogen or C₁-C₄ alkyl, L is as defined above and each A is the same or different and is as defined above,
- (c) -L¹-Het-A¹, wherein Het is -O-, -S- or -NR¹-, A¹ is -L-A, -L-CR(A)₂ or -L-CH=C(A)₂, R¹ is H or -L-A, L¹ is a C₁-C₆ alkyl, C₂-C₆ alkenyl or C₂-C₆ alkynyl moiety, L is as defined above, R is as defined above and each A is the same or different and is as defined above,
- (d) -L-CO-NR₃R₄ or -L-CS-NR₃R₄, wherein L is as defined above and either (i) R₃ and R₄, together with the N atom to which they are attached, form a 5- to 10-membered heteroaryl or heterocyclyl group or (ii) R₃ represents -L-H or A¹ wherein L and A¹ are as defined above, and R₄ represents -L¹-H, -L¹-CO-A¹, -L¹-S (O)-A¹, -L¹-S(O)₂-A¹, -L¹-Het-A¹, -NR-CO-N(A)₂, -N(A)₂, -A-Het-A, -A¹, -L-CR(LA)₂ or -L-CH=C(LA)₂ wherein each L is the same or different, each A is the same or different, and L¹, L, R, A and A¹ are as defined above,
- (e) -CO-L-NR₃R₄ or -CS-L-NR₃R₄ wherein L, R₃ and R₄ are as defined above, (f) -CO-A¹ or -CS-A¹ wherein A¹ is as defined above,
- (g) -L¹-O-N=C(A)₂ or -CO-L¹-O-N=C(A)₂ wherein L¹ is as defined above and each A is the same or different and is as defined above, or
- (h) -L¹-NR-CO-NR₃R₄ or -L¹-NR-CS-NR₃R₄, wherein L¹, R, R₃ and R₄ are as defined above,

wherein

- said aryl, carbocyclyl, heteroaryl and heterocyclyl groups are optionally fused to one or two cyclic moieties selected from phenyl rings and 5- to 6-membered heterocyclyl and heteroaryl groups, and
- said aryl, heteroaryl, carbocyclyl and heterocyclyl groups are unsubstituted or are substituted by 1, 2 or 3 substituents which are the same or different and are selected from C₁-C₄ alkyl, C₁-C₄ haloalkyl, halogen, hydroxy, amino, (C₁-C₄ alkyl)amino, di(C₁-C₄ alkyl)amino, C₁-C₄ alkoxy, C₁-C₄ haloalkoxy, C₁-C₄ alkylthio, C₁-C₄ haloalkylthio, -NH-CO-(C₁-C₄ alkyl), -CO-(C₁-C₄) alkyl, -CO₂-(C₁-C₄ alkyl), 5- or 6- membered heteroaryl, phenyl and -CHPh₂ substituents, the phenyl and heteroaryl moieties in said substituents being unsubstituted or substituted by 1 or 2 further substituents selected from halogen atoms, C₁-C₂ alkyl groups, C₁-C₂ alkoxy groups and -NH-CO-(C₁-C₂ alkyl) groups, provided that (a) when R₂ is -L-A, A is other than a benzimidazolyl group, and (b) when R₂ is -CO-A¹ or -CS-A¹, A is other than a pyrazolopyrimidinyl or pyrazolyl group.

2. (original) Use according to claim 1, wherein:

- X is -N- or -CH-;
- n is from 0 to 3;
- p is 0;
- each R₁ is the same or different and is a hydroxy, amino, halogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ alkoxy, C₁-C₆ haloalkoxy, C₁-C₆ alkylthio, C₁-C₆ haloalkylthio, (C₁-C₆ alkyl)amino or di(C₁-C₆ alkyl)amino group;

- m is 1, 2 or 3; and
- R_2 is either
 - (a) $-L-A$, wherein L is a direct bond or a C_1-C_6 alkyl, C_2-C_6 alkenyl or C_2-C_6 alkynyl moiety and A is C_6-C_{10} aryl, C_3-C_6 carbocyclyl, a 5- to 10-membered heteroaryl group or a 5- to 10-membered heterocyclic group,
 - (b) $-L-CR(A)_2$ or $-L-CH=C(A)_2$ wherein R is hydrogen or C_1-C_4 alkyl, L is as defined above and each A is the same or different and is as defined above,
 - (c) $-L^1-Het-A^1$, wherein Het is $-O-$, $-S-$ or $-NR^1-$, A^1 is $-L-A$, $-L-CR(A)_2$ or $-L-CH=C(A)_2$, R^1 is H or $-L-A$, L^1 is a C_1-C_6 alkyl, C_2-C_6 alkenyl or C_2-C_6 alkynyl moiety, L is as defined above, R is as defined above and each A is the same or different and is as defined above,
 - (d) $-L-CO-NR_3R_4$ or $-L-CS-NR_3R_4$, wherein L is as defined above and either (i) R_3 and R_4 , together with the N atom to which they are attached, form a 5- to 10-membered heteroaryl or heterocyclyl group or (ii) R_3 represents $-L-H$ or A^1 wherein L and A^1 are as defined above, and R_4 represents $-L^1-H$, $-L^1-CO-A$, A^1 , $-L-CR(LA)_2$ or $-L-CH=C(LA)_2$ wherein each L is the same or different, each A is the same or different, and L^1 , L, R, A and A^1 are as defined above,
 - (e) $-CO-L-NR_3R_4$ or $-CS-L-NR_3R_4$ wherein L, R_3 and R_4 are as defined above, (f) $-CO-A^1$ or $-CS-A^1$ wherein A^1 is as defined above, or
 - (g) $-L-O-N=C(A)_2$ or $-CO-L-O-N=C(A)_2$ wherein L is as defined above and each A is the same or different and is as defined above,

wherein

- said aryl, carbocyclyl, heteroaryl and heterocyclyl groups are optionally fused to one or two cyclic moieties selected from phenyl rings and 5- to 6- membered heterocyclyl and heteroaryl groups, and
- said aryl, heteroaryl, carbocyclyl and heterocyclyl groups are unsubstituted or are substituted by 1, 2 or 3 substituents which are the same or different and are selected from C₁-C₄ alkyl, C₁-C₄ haloalkyl, halogen, hydroxy, C₁-C₄ alkoxy, C₁-C₄ haloalkoxy, C₁-C₄ alkylthio, C₁-C₄ haloalkylthio, phenyl and-CHPh₂ substituents, the phenyl moieties in said substituents being unsubstituted or substituted by 1 or 2 halogen atoms, provided that (a) when R₂ is -L-A, A is other than a benzimidazolyl group and (b) when R₂ is -CO-A¹ or -CS-A¹, A is other than a pyrazolopyrimidinyl or pyrazolyl group.

3. (currently amended) Use according to claim 1-~~or~~-2, wherein the aryl, heteroaryl, heterocyclyl and carbocyclyl groups and moieties in the substituents R₁, R₂, R₃ and R₄ are unsubstituted or substituted by 1, 2 or 3 substituents which are the same or different and are selected from halogen, C₁-C₄ alkyl, hydroxy, amino, (C₁-C₄ alkyl) amino, C₁-C₄ alkoxy, C₁-C₄ haloalkyl, C₁-C₄ haloalkoxy, C₁-C₄ alkylthio, C₁-C₄ haloalkylthio, -NH-CO-(C₁-C₂ alkyl), -CO-(C₁-C₂ alkyl), -CO₂-(C₁-C₂ alkyl), 5-membered heteroaryl, phenyl and-CHPh₂ substituents, the phenyl and heteroaryl moieties in said substituents being unsubstituted or substituted by one or two further substituents selected from halogen atom, C₁-C₂ alkyl groups, C₁-C₂ alkoxy groups and -NH-CO-(C₁-C₂ alkyl) groups.

4. (currently amended) Use according to ~~any one of the preceding claims~~ claim 1, wherein each R₁ is the same or different and is a hydroxy, amino, halogen, C₁-C₄ alkyl, C₁-C₄ haloalkyl, C₁-C₄ alkoxy, C₂-C₄ alkenyloxy, C₁-C₄ haloalkoxy, C₁-C₄ alkylthio or C₁-C₄ haloalkylthio group.

5. (currently amended) Use according to ~~any one of the preceding claims~~ claim 1, wherein each L moiety in the R₂ substituent is the same or different and represents a direct bond or a C₁-C₄ alkyl moiety and/or each L¹ moiety in the R₂ substituent is the same or different and represents a C₁-C₄ alkyl moiety.

6. (currently amended) Use according to ~~any one of the preceding claims~~ claim 1, wherein each A moiety in the R₂ substituent is the same or different and represents a C₆-C₁₀ aryl, C₃-C₆ cycloalkyl, 5-or 6-membered heterocyclyl or 5-or 6-membered heteroaryl group, which group is (a) unsubstituted or substituted by 1, 2 or 3 substituents selected from C₁-C₄ alkyl, C₁-C₄ haloalkyl, halogen, hydroxy, amino, (C₁-C₄ alkyl)amino, di (C₁-C₄ alkyl)amino, C₁-C₄ alkoxy, C₁-C₄ haloalkoxy, C₁-C₄ alkylthio, C₁-C₄ haloalkylthio, -NH-CO-(C₁-C₂ alkyl), phenyl and halophenyl substituents and (b) optionally fused to one or two cyclic moieties selected from phenyl rings and 5- to 6-membered heterocyclyl or heteroaryl groups.

7. (currently amended) Use according to ~~any one of the preceding claims~~ claim 1, wherein each R substituent in each -CR(A)₂ moiety is the same or different and is hydrogen or methyl.

8. (currently amended) Use according to ~~any one of the preceding claims~~ claim 1, wherein each Het moiety in the R₂ substituent is -O-, -S- or -NR- wherein R is hydrogen, C₁-C₄ alkyl, phenyl or -(C₁-C₄ alkyl)-phenyl.

9. (currently amended) Use according to ~~any one of the preceding claims~~ claim 1, wherein, when R₃ and R₄, together with the nitrogen atom to which they are attached, form a heterocycle, they form a 5- to 7- membered heterocyclyl group.

10. (original) Use according to claim 9, wherein, when R₃ and R₄, together with the nitrogen atom to which they are attached, form a heterocycle, they form a morpholino, thiomorpholino, S-oxo-thiomorpholino, S,S-dioxo-thiomorpholino, pyrrolidinyl, piperazinyl or homopiperidinyl ring which is (a) optionally fused to one or two cyclic moieties selected from phenyl rings and 5- to 6- membered heteroaryl rings, and (b) unsubstituted or substituted by 1 or 2 substituents selected from C₁-C₄ alkyl, C₁-C₄ haloalkyl, C₁-C₄ alkoxy, C₁-C₄ alkylthio, halogen, phenyl, -CHPh₂, -CO-(C₁-C₂ alkyl), -CO₂-(C₁-C₂ alkyl) and 5-to 6-membered heteroaryl substituents, the phenyl and heteroaryl moieties in said substituents being unsubstituted or substituted by 1 or 2

further substituents selected from halogen atoms, C₁-C₂ alkyl groups, C₁-C₂ alkoxy groups and -NH-CO (C₁-C₂ alkyl) groups.

11. (currently amended) Use according to any ~~one of the preceding claims~~ claim 1, wherein, when R₃ and R₄ do not together form a heterocycle, R₃ represents hydrogen or a C₁-C₄ alkyl, phenyl, -(C₁-C₄ alkyl)-phenyl or -(C₁-C₄ alkyl)-CHPh₂ group in which the phenyl moieties are unsubstituted or substituted by a hydroxy group and R₄ represents C₁-C₄ alkyl, A, -(C₁-C₄ alkyl)-A, -(CH₂)_m-CH(A)₂, -CH[(CH₂)_mA]₂, -(CH₂)_m-CO-A, -(CH₂)_m-O-CH(A)₂, -(CH₂)_m-S-CH(A)₂, -(CH₂)_m-S(O)-CH(A)₂, -(CH₂)_m-S(O)2-CH(A)₂, -NH-CO-N(A)₂, -N(A)₂ or -A-O-A, wherein each A is the same or different and is as defined above and m is 0, 1, 2, 3 or 4, the A moieties in the R₄ substituent being (a) unsubstituted or substituted by one or two substituents selected from C₁-C₄ alkyl, C₁-C₄ alkoxy, halogen, hydroxy, amino, C₁-C₂ haloalkyl, C₁-C₂ haloalkoxy and C₁-C₂ haloalkylthio substituents and (b) monocyclic or fused to one or two phenyl rings.

12. (currently amended) Use according to any ~~one of the preceding claims~~ claim 1, wherein, when R₂ is defined according to option (a), A is monocyclic.

13. (currently amended) Use according to any ~~one of the preceding claims~~ claim 1, wherein, when R₂ is defined according to option (f), A is a said C₆-C₁₀ aryl group.

14. (currently amended) Use according to ~~any one of the preceding claims~~ claim 1,
wherein

- X is -N- or -CH-;
- n is 0 or 1;
- each R₁ is the same or different and is C₁-C₂ alkyl, hydroxy or C₁-C₂ alkoxy;
- p is 0 or 1;
- R₁¹ is cyano, -NH-CO-CH₃, -NH-S(O)2-CH₃, -O-S(O)₂-CH₃, -N[SO₂-CH₃]₂ or -S(O)₂-OH;
- m is 1, 2 or 3; and
- R₂ is either
 - (a) -L-A wherein L represents a direct bond or a C₁-C₄ alkyl moiety, for example a methyl, ethyl or propyl moiety, and A is a phenyl, thienyl, triazolyl, pyridyl, fluorenyl, thiazolyl, tetrahydroisoquinoliny, 9H-carbazolyl, indoliny, 9H- xanthenyl or benzimidazolyl group, which group is unsubstituted or substituted by one or two substituents selected from halogen, C₁-C₂ alkyl, hydroxy, amino, C₁-C₂ alkoxy, C₁-C₂ haloalkyl, C₁-C₂ haloalkoxy, C₁-C₂ haloalkylthio, -NH-CO-CH₃ and phenyl substituents,
 - (b) -L-CR(A)₂ or -L-CH=C(A)₂ wherein R is hydrogen or methyl, L is as defined above and each A is the same or different and is as defined above,
 - (c) -L¹-Het-A¹ wherein Het is -O- or -NR¹- wherein R¹ is hydrogen, C₁-C₄ alkyl or benzyl, A¹ is -L-A, -L-CR(A)₂ or -L-CH=C(A)₂, L¹ is a C₁-C₄ alkyl moiety, for example a methyl, ethyl or propyl moiety, L is as defined above, R is as defined above and each A is the same or different and is as defined above,

(d) -L-CO-NR₃R₄ wherein L is as defined above and either (i)R₃ and R₄, together with the nitrogen atom to which they are attached, form a morpholino, thiomorpholino, S-oxo-thiomorpholino, S,S-dioxo-thiomorpholino, pyrrolidinyl, piperazinyl or homopiperidinyl ring which is (a) optionally fused to one or two cyclic moieties selected from phenyl rings and 5-to 6- membered heteroaryl rings, and (b) unsubstituted or substituted by one or two substituents selected from C₁-C₄ alkyl, C₁-C₄ haloalkyl, C₁-C₄ alkoxy, C₁-C₄ alkylthio, halogen, phenyl, -CHPh₂, -CO-(C₁-C₂ alkyl), -CO₂-(C₁-C₂ alkyl) and 5-to 6-membered heteroaryl substituents, the phenyl and heteroaryl moieties in said substituents being unsubstituted or substituted by one or two further substituents selected from halogen atoms, C₁-C₂ alkyl groups, C₁-C₂ alkoxy groups and -NH-CO-(C₁-C₂ alkyl) groups, or (ii) R₃ represents hydrogen, C₁-C₄ alkyl or an unsubstituted benzyl, phenyl, hydroxyphenyl or -(C₁-C₂ alkyl) -CHPh₂ group and R₄ represents-C₁-C₄ alkyl, fluorenyl, phenyl, pyridyl, (C₁-C₄ alkyl)-phenyl, -(C₁-C₄ alkyl)-(5- to 6-membered heteroaryl), -(CH₂)_m-(9H-carbazolyl),-(CH₂)_m-indolinyl,-(CH₂)_m-(9H-xanthenyl), -(CH₂)_m-O-CHA¹¹ A¹¹¹, -(CH₂)_m-S-CHA¹¹ A¹¹¹, -(CH₂)_m-S(O)-CHA¹¹ A¹¹¹, -(CH₂)_m-S(O)₂-CHA¹¹ A¹¹¹, -NH-CO-N(phenyl)₂, -N(phenyl)₂ or -A¹¹-O-A¹¹¹, -(CH₂)_m-CHA¹¹ A¹¹¹, -CH[(CH₂)_nPh]₂ or -(CH₂)_p-CO-R where m is 0, 1, 2 or 3, A¹¹ and A¹¹¹ are the same or different and each represent phenyl or a 5- or 6- membered heteroaryl group, n is 0, 1 or 2, p is 1,2 or 3 and R is 5- or 6- membered heterocyclic group fused to a phenyl ring, for example a- tetrahydroisoquinoline group, the cyclic moieties in said R₄ groups being unsubstituted or substituted by a halogen atom, C₁-C₂ alkyl, hydroxy, amino or C₁-C₂ alkoxy group,

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- (e) -CO-L-NR₃R₄ or -CS-L-NR₃R₄ wherein L, R₃ and R₄ are as defined above, (f)
-CO-A¹ or -CS-A¹ where A¹ is as defined above,
- (g) -CO-L¹-O-N=C(A)₂ wherein L¹ is as defined above and each A is the same or different and is as defined above; or
- (h) -L¹-NR-CO-NR₃R₄ or -L¹-NR-CS-NR₃R₄ wherein L¹, R, R3 and R4 are as defined above,
provided that when R₂ is -L-A, A is monocyclic.

15. (currently amended) Use according to ~~any one of the preceding claims~~ claim 1,
wherein said condition is chronic or acute pain, a bowel disorder, a bladder dysfunction,
tinnitus or a demyelinating disease.

16. (currently amended) A compound of the formula (I), as defined in ~~any one of~~
~~claims 1 to 14~~ claim 1, or a pharmaceutically acceptable salt thereof.

17. (currently amended) A pharmaceutical composition comprising a compound of
the formula (I), as defined in ~~any one of claims 1 to 14~~ claim 1, or a pharmaceutically
acceptable salt thereof, and a pharmaceutically acceptable carrier or diluent.

18. (original) A composition according to claim 17 which is a capsule or tablet
comprising from 10 to 500 mg of a compound of the formula (I), as defined in any one of
claims 1 to 14, or a pharmaceutically acceptable salt thereof.

19. (original) An inhalation device comprising a pharmaceutical composition according to claim 18.

20. (original) An inhalation device according to claim 19 which is a nebulizer.

21. (currently amended) A compound according to ~~any one of claims 1 to 14~~ claim 1, or a pharmaceutically acceptable salt thereof, for use in the treatment of the human or animal body.

22. (currently amended) A method of treating a patient suffering from or susceptible to a condition as defined in claim 1-~~or 15~~, which method comprises administering to said patient an effective amount of a compound of formula (I), ~~as defined in any of claims 1 to 14~~, or a pharmaceutically acceptable salt thereof.